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PATENT 26409.00100

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Olivier H. SUDRE, et al.

Serial No: 10/057,184

Filed: January 23, 2002

For: MONAZITE-BASED THERMAL BARRIER  
COATINGS

Art Unit: 1762

Examiner: (Not Assigned)

PRE-AMDT  
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PRELIMINARY AMENDMENT

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Dear Sir:

Prior to the first Office Action in the present application, please enter and  
consider the following amendments and remarks:

IN THE SPECIFICATION:

Red lined copy to show changes is included at the end of this paper.

Please replace the paragraphs at Page 7, lines 18-24 and Page 8, lines 1-2  
with the following:

FIGURE 1b shows a scanning electron micrographs of the coating of Fig. 1a  
illustrating details of the fracture face showing a columnar structure with feather-  
like features.

FIGURE 2a shows a thick  $\text{LaPO}_4$  coating, showing columnar structure,  
deposited on sapphire at room temperature by laser ablation.

FIGURE 2b shows a thin  $\text{LaPO}_4$  coating deposited on sapphire at  $\sim 800^\circ\text{C}$   
by laser ablation and subsequently annealed at  $1100^\circ\text{C}$ .

IN THE FIGURES:

Please delete original Figure 2 and renumber original Figure 3 as Figure 2  
(renumbered Figure 3 is enclosed).